	Ref #	Search Text
1	S2	(("20040038467") or ("5442214") or ("5821583") or ("4941026")).PN.
2	S3	((trench vertical groove) near3 gate)
3	S4	(trench groove) near5 termination
4	S5	(drain with drift)
5	S6	S3 and S4 and S5
6	S1	("20040038467").PN.
7	S7	("4414560" | "4567502" | "4999684" | "5003372" | "5072266").PN.
8	S8	("5233215").URPN.
9	S9	("3849789" | "4646115" | "4941026" | "5111253" | "5126807" | "5132753" | "5233215" | "5246870" | "5283201" | "5298442" | "5323040" | "5365102" | "5396085" | "5424231" | "5578851" | "5612567" | "5637898" | "5661322" | "5674766" | "5679966" | "5688725" | "5731627" | "5742076" | "5744994" | "5753938").PN.
10	S10	("3892169" | "4567541" | "4941026" | "4954854" | "5019526" | "5072266" | "5168331" | "5316959" | "5341011").PN.
11	S11	("5578851").URPN.
12	S12	("5079602" | "5298781" | "5981996").PN.
13	S13	("6236099").URPN.
14	S14	("5079602" | "5298442" | "5298781" | "5917216" | "6236099").PN.
15	S15	("6798016").URPN.
16	S16	("6087224" | "6472708").PN.
17	S17	("6800900").URPN.
18	S18	("20040004238" | "5614751" | "5723891" | "6236099" | "6388286" | "6396090" | "6621121" | "6700158").PN.

	DBs	Time Stamp
1	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 09:26
2	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:51
3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/17 16:43
4	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 09:34
5	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:54
6	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 09:35
7	US-PGPUB; USPAT; USOCR	2005/09/06 10:43
8	USPAT	2005/09/06 12:52
9	US-PGPUB; USPAT; USOCR	2005/09/06 12:53
10	US-PGPUB; USPAT; USOCR	2005/09/06 13:04
11	USPAT	2005/09/06 13:05
12	US-PGPUB; USPAT; USOCR	2005/09/06 13:14
13	USPAT	2005/09/06 13:15
14	US-PGPUB; USPAT; USOCR	2005/09/06 13:16
15	USPAT	2005/09/06 13:16
16	US-PGPUB; USPAT; USOCR	2005/09/06 13:16
17	USPAT	2005/09/06 13:27
18	US-PGPUB; USPAT; USOCR	2005/09/06 13:27

	Ref #	Search Text
19	S19	("4710265" | "4819052" | "4941026" | "4954854" | "5019526" | "5072266" | "5087577" | "5156993" | "5160491" | "5168331" | "5233215" | "5316959" | "5341011" | "5362665" | "5404040" | "5422508" | "5429964").PN.
20	S20	("5614751").URPN.
21	S21	("20020011644" | "5126807" | "5233215" | "5242845" | "5525821" | "5597765" | "5614751" | "5877528" | "6096612" | "6396090").PN.
22	S22	("5614751").PN.
23	S23	("5877528").URPN.
24	S24	("5614751").PN.
25	S25	("5877528").URPN.
26	S26	"igbt"
27	S27	"igbt" with trench
28	S28	((trench vertical groove buried) near3 gate) or S26
29	S29	(trench groove) with termination
30	S30	S28 and S29
31	S31	((trench vertical groove) near3 gate)
32	S32	(trench groove) near5 termination
33	S33	(drain with drift)
34	S34	S31 and S32 and S33
35	S35	S33 not (S34 1-22)
36	S36	S30 not (S34 1-22)

	DBs	Time Stamp
19	US-PGPUB; USPAT; USOCR	2005/09/06 13:35
20	USPAT	2005/09/06 13:37
21	US-PGPUB; USPAT; USOCR	2005/09/06 13:38
22	US-PGPUB; USPAT; USOCR	2005/09/06 13:41
23	USPAT	2005/09/06 13:41
24	US-PGPUB; USPAT; USOCR	2005/09/06 13:46
25	USPAT	2005/09/06 13:47
26	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:48
27	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:49
28	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:52
29	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:53
30	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:53
31	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:54
32	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:54
33	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:54
34	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:54
35	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:55
36	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:58

	Ref #	Search Text
37	S37	1-22
38	S38	S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25
39	S39	S30 not (S34 S38)
40	S40	("6081224").PN.
41	S41	(257/330).CCLS.
42	S43	(257/333).CCLS.
43	S44	(257/341).CCLS.
44	S45	(257/487).CCLS.
45	S46	(257/495).CCLS.
46	S47	(257/408).CCLS.
47	S49	(257/409).CCLS.
48	S42	(257/332).CCLS.
49	S50	S42 and termination
50	S51	S42 not S50
51	S52	(257/332).CCLS.
52	S53	S52 and termination
53	S55	(257/409).CCLS.

	DBs	Time Stamp
37	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:56
38	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:57
39	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 13:58
40	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 16:07
41	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:21
42	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:21
43	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:21
44	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:20
45	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:20
46	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:20
47	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:19
48	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 16:18
49	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/06 16:38
50	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:19
51	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:19
52	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:19
53	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:20

	Ref #	Search Text
54	S56	(257/408).CCLS.
55	S57	(257/495).CCLS.
56	S58	(257/487).CCLS.
57	S59	(257/341).CCLS.
58	S60	(257/333).CCLS.
59	S61	(257/330).CCLS.
60	S54	S52 not S53
61	S62	("0810031").PN.
62	S63	"810031"
63	S64	"10810031"
64	S65	(trench groove) near5 termination
65	S67	"igbt"
66	S66	"igbt"
67	S68	S65 and S67
68	S69	S65 same (metal metallization contact)
69	S70	S69 and S67
70	S71	("5079602" | "5298442" | "5298781" | "5917216" | "6236099").PN.
71	S72	("6798016").URPN.

	DBs	Time Stamp
54	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:20
55	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:20
56	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:20
57	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:21
58	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:21
59	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:21
60	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/07 12:21
61	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/15 14:17
62	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/15 14:18
63	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/15 14:18
64	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/17 16:43
65	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/17 16:44
66	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/17 16:44
67	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/17 16:47
68	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/17 16:47
69	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/17 16:47
70	US-PGPUB; USPAT; USOCR	2005/09/17 17:57
71	USPAT	2005/09/17 17:59

	Ref #	Search Text
72	S73	("5283201" | "6107160" | "6150675").PN.
73	S74	("6690062").URPN.
74	S75	("5488236" | "5623152" | "5786613" | "5917216" | "5981999" | "5986304" | "5998837" | "6246092").PN.
75	S76	("6498382").URPN.
76	S77	("2809165" | "2827436" | "4242690" | "4742382" | "5345101" | "5510634" | "5712502").PN.
77	S78	("5929482" | "6020600" | "6180966").PN.
78	S79	("5079602" | "5298781" | "5981996").PN.
79	S80	("6236099").URPN.
80	S81	("4752818" | "5171696" | "5329142").PN.
81	S82	("2004/0238884").URPN.
82	S83	257/330-334, "520"
83	S84	S83 and (termination near4 (trench via))
84	S85	S83 and (drain near3 drift)
85	S86	S84 and S85
86	S87	(257/330-334,520).CCLS.
87	S88	S87 and (termination near4 (trench via))
88	S89	S87 and (drain near3 drift)
89	S90	S88 and S89
90	S91	drift same (termination near4 (trench via))

	DBs	Time Stamp
72	US-PGPUB; USPAT; USOCR	2005/09/17 17:59
73	USPAT	2005/09/17 18:00
74	US-PGPUB; USPAT; USOCR	2005/09/17 18:01
75	USPAT	2005/09/17 18:06
76	US-PGPUB; USPAT; USOCR	2005/09/17 18:08
77	US-PGPUB; USPAT; USOCR	2005/09/17 18:09
78	US-PGPUB; USPAT; USOCR	2005/09/17 18:10
79	USPAT	2005/09/17 18:11
80	US-PGPUB; USPAT; USOCR	2005/09/17 18:14
81	USPAT	2005/09/17 20:01
82	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:01
83	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:29
84	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:01
85	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 22:59
86	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:01
87	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:01
88	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:01
89	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:01
90	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	2005/09/18 23:29